

FS Performance Engineering

Toyota Sequoia/Tundra (2000-06) V8 Catalytic Converter Guard Installation Instructions
Professional Installation Recommended as Always - A car LIFT is HIGHLY Recommended

Tools Needed:

- Ratchet Wrench(es)
- 1/4" Socket (to hold Security Bits)
- 7/16" Socket AND Wrench
- 13mm Socket or Wrench
- 17/32" Drill Bit (for the 5/16" Rivnut) (or a dremel tool)
- Drill
- Rivnut Installation Tool (a heavy duty one is necessary) w/ a 1/4"-20 AND 5/16"-18 mandrel
- Helper
- Blue Threadlocker
- Dremel Tool with Cutting/Burr Tool (or a 17/32" drill bit)

What's Supplied:

Parts:

- (1) Main Catalytic Converter Shield
- (2) Longer Bolt-on Pieces (there is a left and right)
- (2) Shorter Bolt-on Pieces
- (1) Rearward Bolt-on Piece (for 2WD vehicles only)
- (2) Blanking Plates

Hardware:

- | | |
|---------------------------------------|-----------------------------------|
| (2) 5/16"-18 Rivnuts (1 is extra) | (2) M8-1.25 x 30mm HEX bolts |
| (1) 5/16"-18 x 1" SECURITY Bolt | (2) M8-1.25 x 20mm SECURITY bolts |
| (1) 5/16" ID, 1.25" OD Washer | (2) 5/16 ID, 1.25" OD Washers |
| (1) Security Bit (3/16") | |
| (3) 1/4"-20 LONG Rivnuts (1 is extra) | (28) 1/4"-20 x 1" Hex Head Bolts |
| (2) 1/4"-20 x 1" SECURITY Bolts | (20) 1/4"-20 Zinc Nyloc Nuts |
| (2) 1/4"ID x 1"OD Washers | (8) 1/4" Lock washers |
| (1) Security Bit (5/32") | |



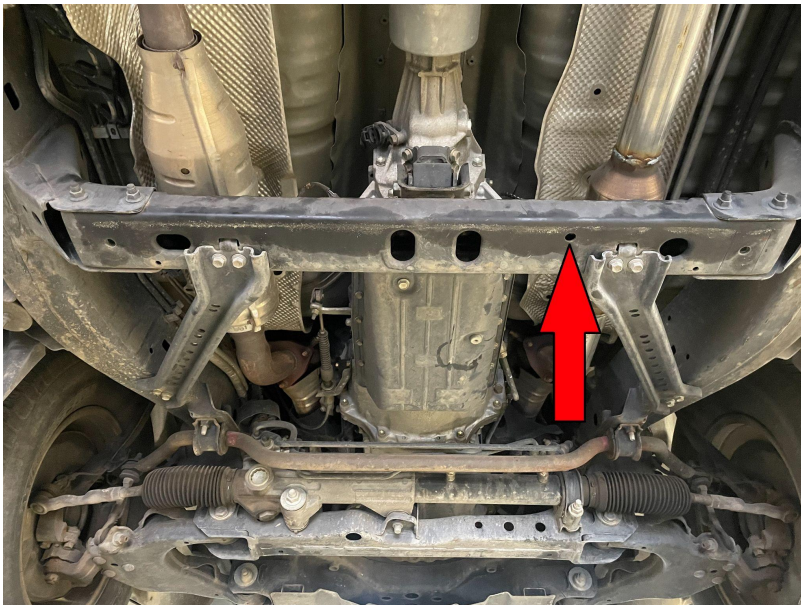
← Threaded Rivet Nut (Rivnut) Help

Steps:

1.) Begin by raising your Toyota. Place it securely on jack stands. Or alternatively use a vehicle lift. The vehicle must be high enough for you to use your rivnut installation tool.

2.) Identify the crossmember that supports the transmission. Identify the hole shown in the picture below. Drill it out with a 17/32" drill bit. You can alternatively bore it out with a dremel tool just enough to fit a supplied 5/16" rivnut into it.

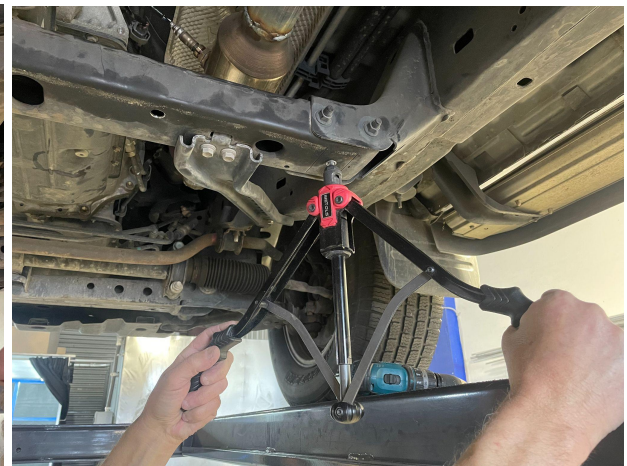
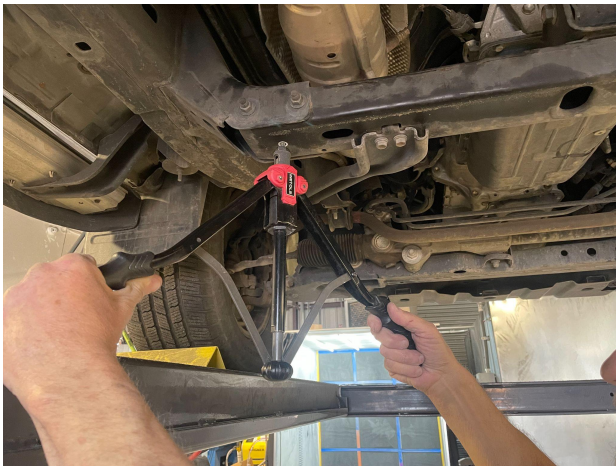
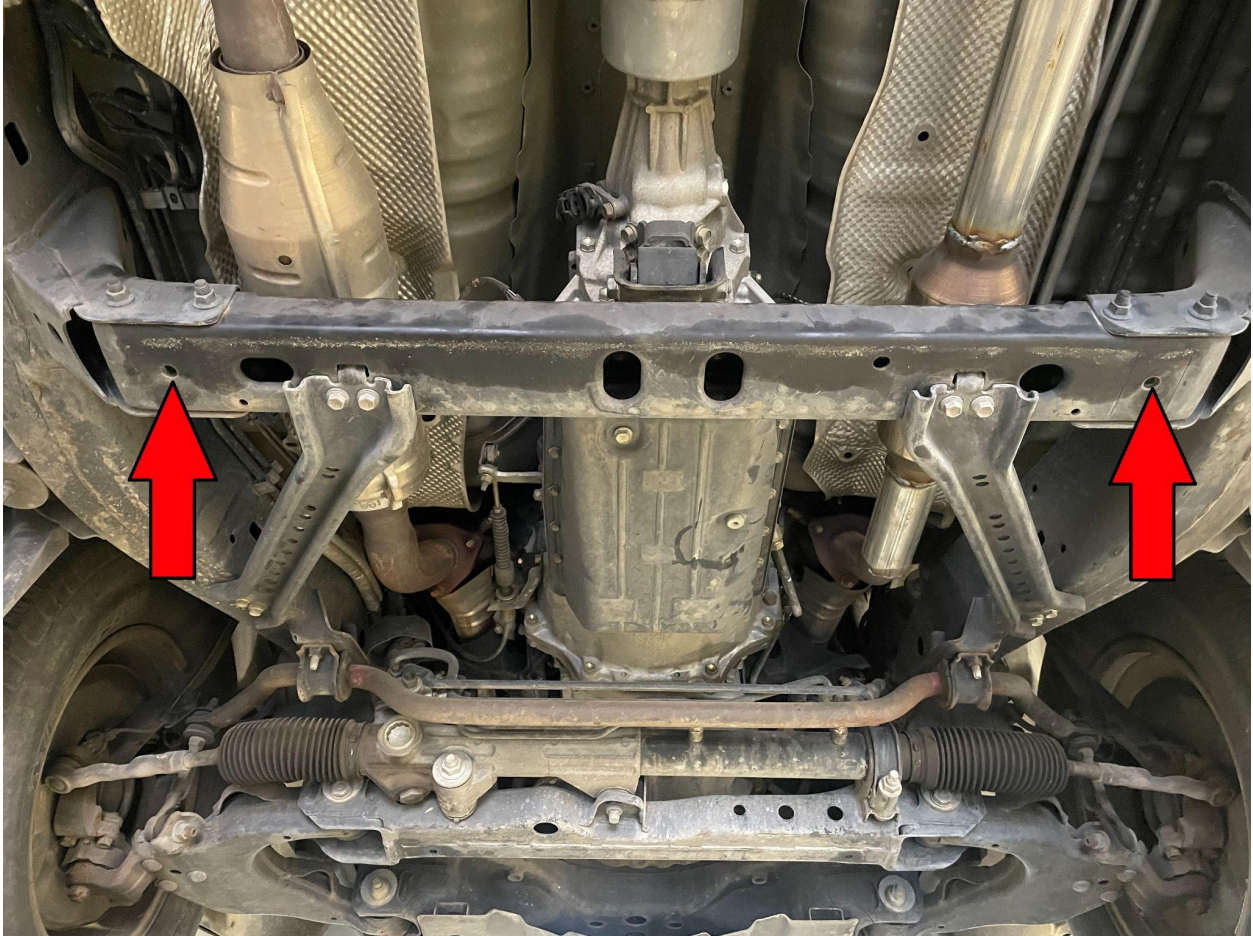
If this hole does not exist, you will need to revisit this step during step 6. The hole will need to be marked and drilled.



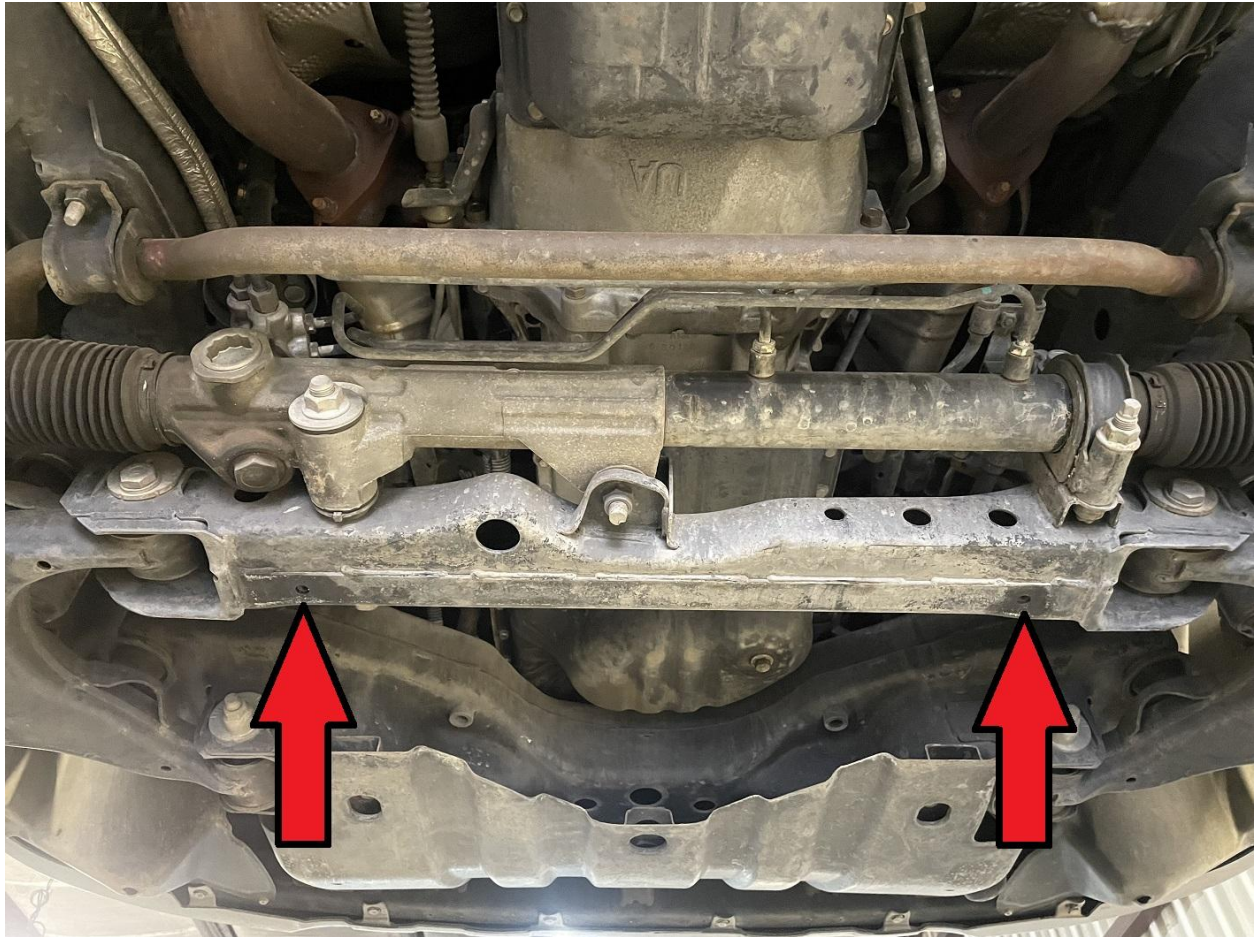
3.) Install a 5/16" rivnut into the hole from the previous step. If you don't know what a rivnut installation tool is, see the QR code on the first page.



4.) Install the ¼” long rivnuts into the holes shown below.



5.) Thread your M8-1.25 x 30mm HEX bolts into the OEM threaded holes in the frame located on the front crossmember. Thread in about an inch. Then thread them back out. You will be using these bolts simply to clean out the threads.



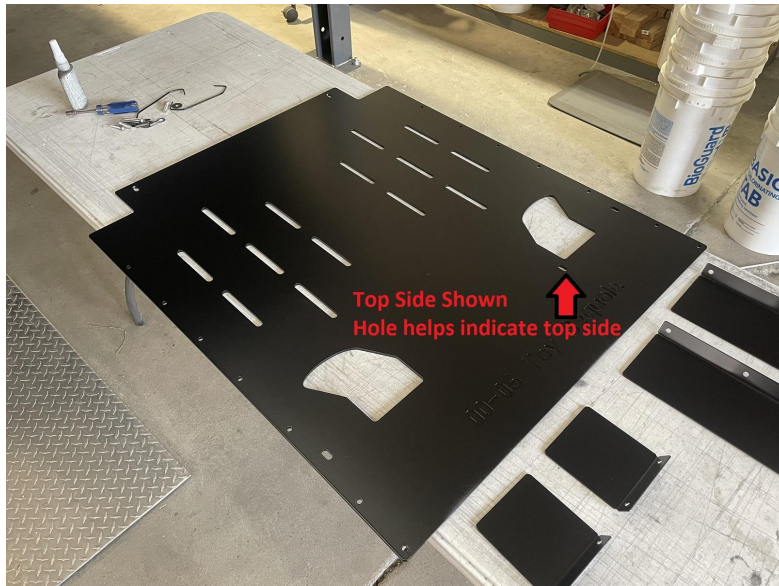
6.) Assemble your catalytic converter. The top side is where you see a slot/hole location slightly to the right of the center.

The longer pair of plates bolts onto the sides toward the front - there is a left and right, this will be indicated to you on either the part or packaging.

The shorter pair of plates bolts onto the sides toward the back. These bolt onto the top of the guard. Use 1/4" bolts pointing upward with the 1/4" nuts on top.

If you have a 2WD vehicle you'll notice a 5th piece. This bolts into the holes at the rear of the plate to further block intruders.

If you did not have a pre-located hole from step 2, install the cat guard snug, mark the hole, remove the cat guard, then drill and install a rivnut. See Step 2.

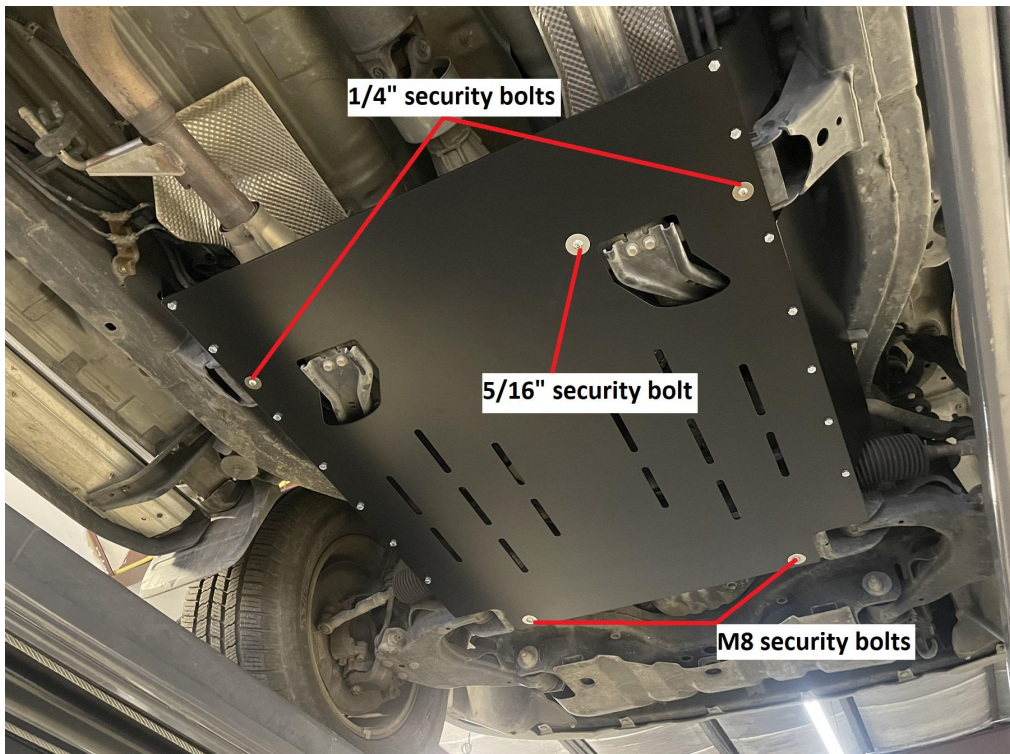


7.) You can now install the catalytic converter guard onto the vehicle. Use help from another. Use BLUE THREADLOCKER on the bolt threads when installing. Securely tighten each bolt.

Front two holes: Use two M8-1.25 x 20MM Security Bolts with the 5/16" ID x 1.25" OD washers. The 3/16" security bit works with these.

Back center hole: Use a 5/16-18 x 1" Security Bolt with a 5/16"ID x 1.25" OD washer. The 3/16" security bit works with these.

Outer back holes: Use two 1/4"-20 x 1" Security Bolts with 1/4"ID x 1"OD washers. The 5/32" security bit works here.





8.) Your catalytic converter guard now comes with 2 blanking plates! These plates are used if you don't have the extra bracing on the crossmember. Simply use the 1/4"-20 x 1" hex head bolts and lock washers to bolt the blanking plates onto the guard to fill the holes.

9.) Double check all bolts are secure and you are done! Enjoy your new cat guard ! Feel free to tag us online using #FSPerformanceEngineering. If you have any questions don't hesitate to contact us.



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THANK YOU :)